CIRM Regenerative Medicine Research Training Program

Grant Award Details

CIRM Regenerative Medicine Research Training Program

Grant Type: Research Training Grant

Grant Number: EDUC4-12766

Project Objective: This program will provide training to nine postdoctoral and two clinical scholars at the Gladstone Institute.

Investigator:

Name:	Bruce Conklin
Institution:	Gladstone Institutes, J. David
Type:	PI

Award Value: $5,000,000

Status: Pre-Active

Grant Application Details

Application Title: CIRM Regenerative Medicine Research Training Program

Public Abstract:

Statement of Benefit to California:	A major goal of regenerative medicine is to repair damaged tissue. Our CIRM scholars have research programs that focus on developing new methods to differentiate human induced pluripotent stem cells (iPSCs) into specific cell types for regeneration of diseased tissues. Our program will benefit the California economy by training highly skilled scientists who will take leading positions in California's research institutions and the biotechnology industry. These scientists will also create technology that will be the basis of creating jobs in the biomedical industry. For instance, new stem cell lines could be valuable for biotechnology companies and researchers who are screening for drug compounds for regenerative medicine. Furthermore, our CIRM scholars are working closely with California companies to develop new equipment and analysis software that could be the basis for new product lines or new businesses. As new regenerative therapies come to fruition, we anticipate that California medical centers will be leading the way. Ultimately, the most important contribution of our CIRM scholars may be to improve the health of Californians. Diseases that are the target of regenerative medicine are major causes of mortality and morbidity, resulting in billions of dollars in healthcare costs and lost days at work. As we continue our efforts in medical research, we hope to one day unlock the secrets of tissue development and repair. This knowledge will help medical researchers develop beneficial therapies beyond what is currently available and potentially improve the quality of life and life expectancy of patients who suffer from disease.
